RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	09/557.423H
Source:	15W/6
Date Processed by STIC:	12/3/04

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 12/03/2004
PATENT APPLICATION: US/09/557,423A TIME: 10:12:14

Input Set : A:\41428312.app

Output Set: N:\CRF4\12032004\I557423A.raw

```
3 <110> APPLICANT: BELOTSERKOVSKII, BORIS
        REDDY, GURUCHARAN
        ZARLING, DAVID A.
 7 <120> TITLE OF INVENTION: LOCKED NUCLEIC ACID HYBRIDS AND METHODS OF USE
 9 <130> FILE REFERENCE: 41428-0312
11 <140> CURRENT APPLICATION NUMBER: 09/557,423A
12 <141> CURRENT FILING DATE: 2000-04-21
14 <150> PRIOR APPLICATION NUMBER: 60/130,345
15 <151> PRIOR FILING DATE: 1999-04-21
17 <160> NUMBER OF SEQ ID NOS: 17
19 <170> SOFTWARE: PatentIn Ver. 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 62
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        oligonucleotide
28
30 <400> SEQUENCE: 1
31 cetegaggte gaeggtateg ataagettga tategaatte etgeageeeg ggggateeac 60
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 62
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
         oligonucleotide
42
44 <400> SEQUENCE: 2
45 tagtggatec ecegggetge aggaattega tateaagett ategataceg tegacetega 60
                                                                      62
46 gg
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 81
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
        oligonucleotide
56
58 <400> SEQUENCE: 3
59 cetegaggie gaeggiateg ataagetiga tigigigigi gigigigi ategaatiee 60
60 tgcagcccgg gggatccact a
63 <210> SEQ ID NO: 4
```

64 <211> LENGTH: 81

RAW SEQUENCE LISTING DATE: 12/03/2004 PATENT APPLICATION: US/09/557,423A TIME: 10:12:14

Input Set : A:\41428312.app

Output Set: N:\CRF4\12032004\I557423A.raw

65 <212> TYPE: DNA 66 <213> ORGANISM: Artificial Sequence 68 <220> FEATURE: 69 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 70 oligonucleotide 72 <400> SEQUENCE: 4 73 tagtggatcc cccgggctgc aggaattcga tacacacaca cacacacaca atcaagctta 60 74 tegatacegt egacetegag g 77 <210> SEQ ID NO: 5 78 <211> LENGTH: 76 79 <212> TYPE: DNA 80 <213> ORGANISM: Artificial Sequence 82 <220> FEATURE: 83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 86 <400> SEQUENCE: 5 87 cctcgaggtc gacggtatcg ataagcttga tttggggttg gggttatcga attcctgcag 60 88 cdcgggggat ccacta 76 91 <210> SEQ ID NO: 6 92 <211> LENGTH: 76 93 <212> TYPE: DNA 94 <213> ORGANISM: Artificial Sequence 96 <220> FEATURE: 97 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 98 oligonucleotide 100 <400> SEQUENCE: 6 101 tagtggatee eeegggetge aggaattega tttggggttg gggttateaa gettategat 60 102 accgtcgacc tcgagg 105 <210> SEQ ID NO: 7 106 <211> LENGTH: 19 107 <212> TYPE: DNA 108 <213> ORGANISM: Artificial Sequence 110 <220> FEATURE: 111 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 112 oligonucleotide 114 <400> SEQUENCE: 7 115 acacacaca acacacaca 19 118 <210> SEQ ID NO: 8 119 <211> LENGTH: 19 120 <212> TYPE: DNA 121 <213> ORGANISM: Artificial Sequence 123 <220> FEATURE: 124 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 125 127 <400> SEQUENCE: 8

128 tgtgtgtgtg tgtgtgtgt

131 <210> SEQ ID NO: 9 132 <211> LENGTH: 14 133 <212> TYPE: DNA 19

RAW SEQUENCE LISTING DATE: 12/03/2004 PATENT APPLICATION: US/09/557,423A TIME: 10:12:14

Input Set : A:\41428312.app

Output Set: N:\CRF4\12032004\I557423A.raw

```
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
          oligonucleotide
138
140 <400> SEQUENCE: 9
                                                                        14
141 ttggggttgg ggtt
144 <210> SEQ ID NO: 10
145 <211> LENGTH: 41
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
          oligonucleotide
153 <400> SEQUENCE: 10
                                                                        41
154 agetteecte eteceteece taatacecea eccaceacee g
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 41
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
164
          oligonucleotide
166 <400> SEQUENCE: 11
167 aattcgggtg gtgggtgggg tattagggga gggaggaggg a
                                                                        41
170 <210> SEQ ID NO: 12
171 <211> LENGTH: 20
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
          peptide
179 <400> SEQUENCE: 12
180 Asn Gln Ile Arg Met Lys Ile Gly Val Met Phe Gly Asn Pro Glu Thr
                                          10
181
      1
183 Thr Thr Gly Gly
184
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 27
189 <212> TYPE: PRT
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
194
          peptide
196 <400> SEQUENCE: 13
197 Pro Leu Leu Leu Ala Leu Val Asn Gln Ile Arg Met Lys Ile Gly Val
                                                              15
198
                      5
200 Met Phe Gly Asn Pro Glu Thr Thr Thr Gly Gly
201
                 20
204 <210> SEQ ID NO: 14
```

RAW SEQUENCE LISTING DATE: 12/03/2004 PATENT APPLICATION: US/09/557,423A TIME: 10:12:14

Input Set : A:\41428312.app

Output Set: N:\CRF4\12032004\I557423A.raw

205 <211> LENGTH: 7 206 <212> TYPE: PRT 207 <213> ORGANISM: Artificial Sequence 209 <220> FEATURE: 210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide 213 <400> SEQUENCE: 14 214 Pro Leu Leu Leu Ala Leu Val 218 <210> SEQ ID NO: 15 219 <211> LENGTH: 5 220 <212> TYPE: DNA 221 <213> ORGANISM: Artificial Sequence 223 <220> FEATURE: 224 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 225 oligonucleotide 227 <400> SEQUENCE: 15 5 228 tatac 231 <210> SEQ ID NO: 16 232 <211> LENGTH: 5 233 <212> TYPE: DNA 234 <213> ORGANISM: Artificial Sequence 236 <220> FEATURE: 237 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic 238 oligonucleotide 240 <400> SEQUENCE: 16 5 241 gtata 244 <210> SEQ ID NO: 17 245 <211> LENGTH: 35 246 <212> TYPE: DNA 247 <213> ORGANISM: Artificial Sequence 249 <220> FEATURE: 250 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic oligonucleotide 253 <400> SEQUENCE: 17 35 254 gggtggtggg tggggtatta ggggagggag gaggg

VERIFICATION SUMMARY

DATE: 12/03/2004

PATENT APPLICATION: US/09/557,423A

TIME: 10:12:15

Input Set : A:\41428312.app

Output Set: N:\CRF4\12032004\I557423A.raw